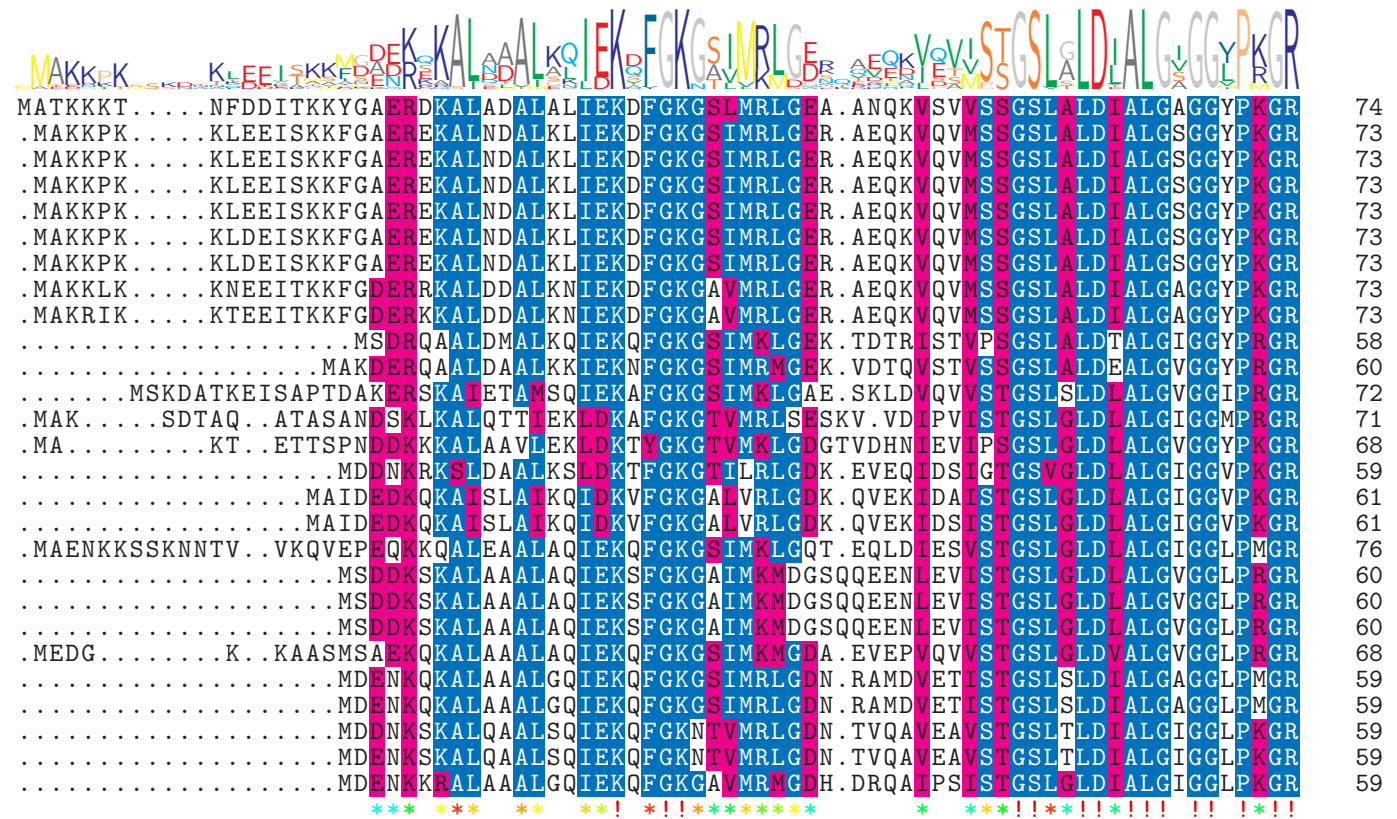


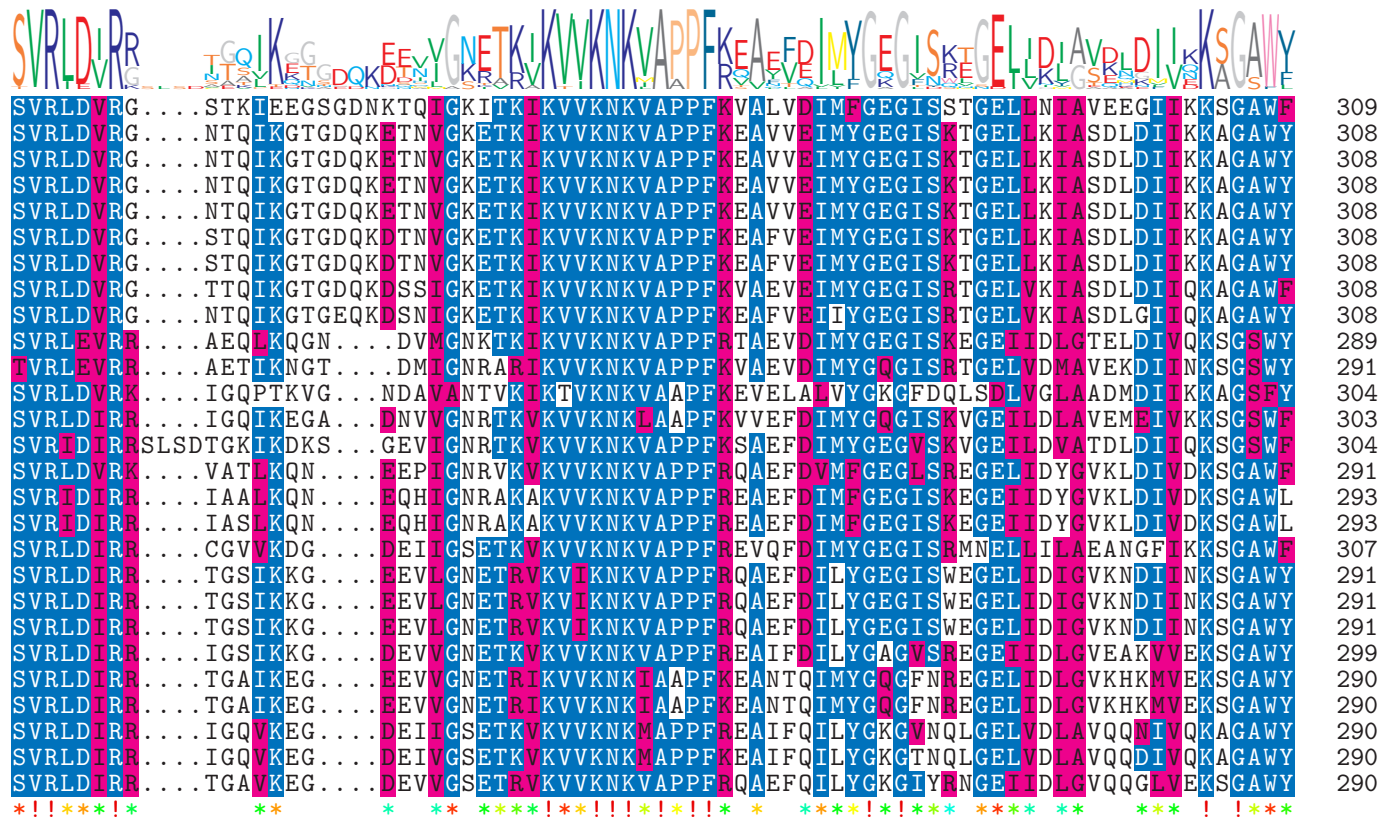
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NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



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NTDB id 269 KZH43 RS08665 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA..	VNEEVPLDLGDEL	382	
NTDB id 228 SPD RS09265 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA..	VNEEVPLDLGDEL	382	
NTDB id 194 SPR RS08825 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA..	VNEEVPLDLGDEL	382	
NTDB id 159 SP RS09750 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA..	VNEEVPLDLGDEL	382	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SYKDEKIGQGS	ENAKKYLA	DNPEVFAEIDHQ	VRVQFGLIDGEEAAE...	SKKDE...VAQVDS..	VNEEVTLDLGDEL	378	
NTDB id 499 SM12261 RS08315 WP 078228268.1	SYKDEKIGQGS	ENAKKYLA	DNPEIFDEIDHQ	VRVQFGLIDGEEIAE...	SKKDE...AAQVDS..	VNEEVTLDLGDEL	378	
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NTDB id 408 SMU RS09530 WP 002262392.1	SYNGEKIGQGS	ENAKKFLA	DNPEIFDDIDHK	VRVQYGLIEEDNTEE	KQSSKEK.....ETDEK..	ADKNLVLELDDTI	379	
NTDB id 115 BSU 16940 NP 389576.2	SYEEEE	RLGQGR	ENAKQFLKENKD	IMLMIQEQIREHYGL	DNNGVVQQQAEETQEEL	.EFE.E.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	SYGSE	RIGQGR	ENAKNYLA	DHEDVEDEVRLK	VRAAYGISDVPEED	LPTTEDE.QI.NILPDDST.....EE.....	355	
NTDB id 1313 DR RS12030 WP 010888966.1	SYGDER	RIGQK	EKTIA	YTAERP	PEMEQEIRDR	VMAAIRAGNAGEAPALAPAPA	AAPEAA..EA.....	363
NTDB id 137032 SD10 RS00135 WP 046375132.1	SYGTS	RLAQQGR	DAVKELL	LDNPELMGEIEGK	IRAKI	ATDEDA....LLDPVLAATA..ED.DEGEIDD.....	364	
NTDB id 1334 RAOC RS04870 WP 004918236.1	SYQDT	KLGGGR	D	TVKELIKDNPEL	AEELEAKIREKLQAK		343	
NTDB id 1245 Cj1673c YP 002345041.1	SYKDKKL	GQGR	ENSKAFLKENPEI	ADEITKA	IQNSMGIEGMI	SGSEDD..G..EE.....	343	
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SYDGT	KIGQGKNN	AVKWLKENPEI	ADKLEQEIRNTLAS	NPNS....VLKATASDSN..	DESDVEEFSEEEL.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	SYNGAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHI	TEGTQDET	DG..ER.....PEE.....		348	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	SYNGAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHI	TEGTQDET	DG..ER.....PEE.....		348	
NTDB id 1427 RS RS02760 WP 011000510.1	SYNGER	RIGQGR	DNCREFLRENAELARE	IEENKVREHLGV	TPMG....AVTLA.EEVE..ED.....		352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SYNGD	KIGQKANACKY	LKENPEIAKTLDK	KLREMLLN	PENM....QLIAETSSAA..	DDVEFGAVPEEF.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SYNGD	KIGQKANACKY	LKENPEIAKTLDK	KLREMLLN	PENM....QLIAETSSAA..	DDVEFGAVPEEF.....	354	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SYQGN	KIGQGKNN	VIRYLEENPQISTEIEAV	IREQLLT	TKASD....QTAA.HDETE..EEDPLL..ES.....		349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SYQGN	KIGQGKNN	VIRYFEENNQIAEEIERN	IREQLLT	TTGTN....GAVQ.I.EDE..EEDPLL..LES.....		349	
NTDB id 1205 PSJM300 05545 AFN77183.1	AYKGS	KIGQKANAAKY	LEENPEIGQIEEQ	IRAKLL	VTSAN....TKATPVAEDL..ADADI.....		347	
consensus	*!	***!!*****	* * *****	*****	*****	* *	* *	

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		EIEIEE	
NTDB id 600 KW2 RS01765 WP 011675413.1			387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEIEE		388
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NTDB id 453 Spy49 1753c ACI62003.1	EIED..		378
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NTDB id 1211 C694 RS00795 WP 000963128.1			347
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NTDB id 1130 NGFG RS03960 WP 003688695.1			348
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NTDB id 1165 A1552VC RS01565 WP 000344154.1			354
NTDB id 1142 GTF74 RS11550 WP 000344154.1			354
NTDB id 1022 ACIAD RS06390 WP 004925639.1			349
NTDB id 1074 ABD1 RS10195 WP 000344167.1			349
NTDB id 1205 PSJM300 05545 AFN77183.1			347
consensus			

-  non conserved
-  similar
-  ≥ 50% conserved